

4.2.D. 0513010704.

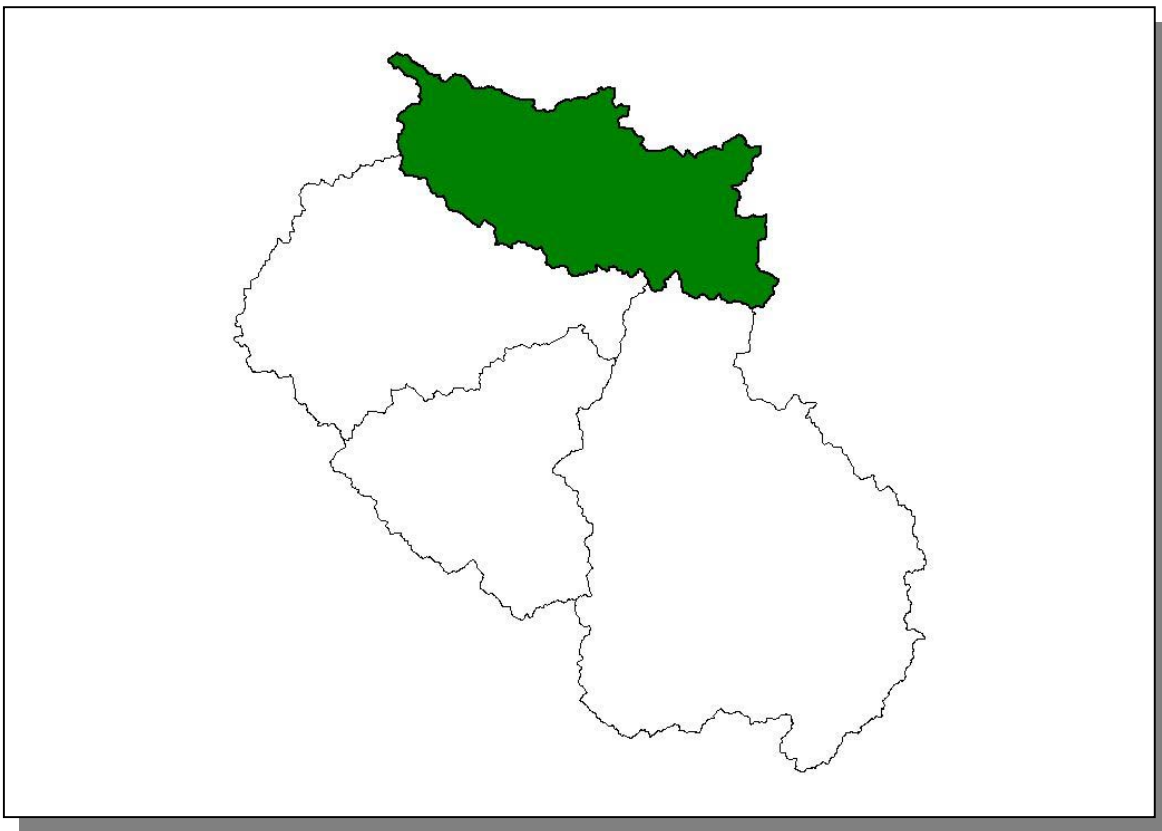


Figure 4-32. Location of Subwatershed 0513010704. All Collins HUC-10 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.

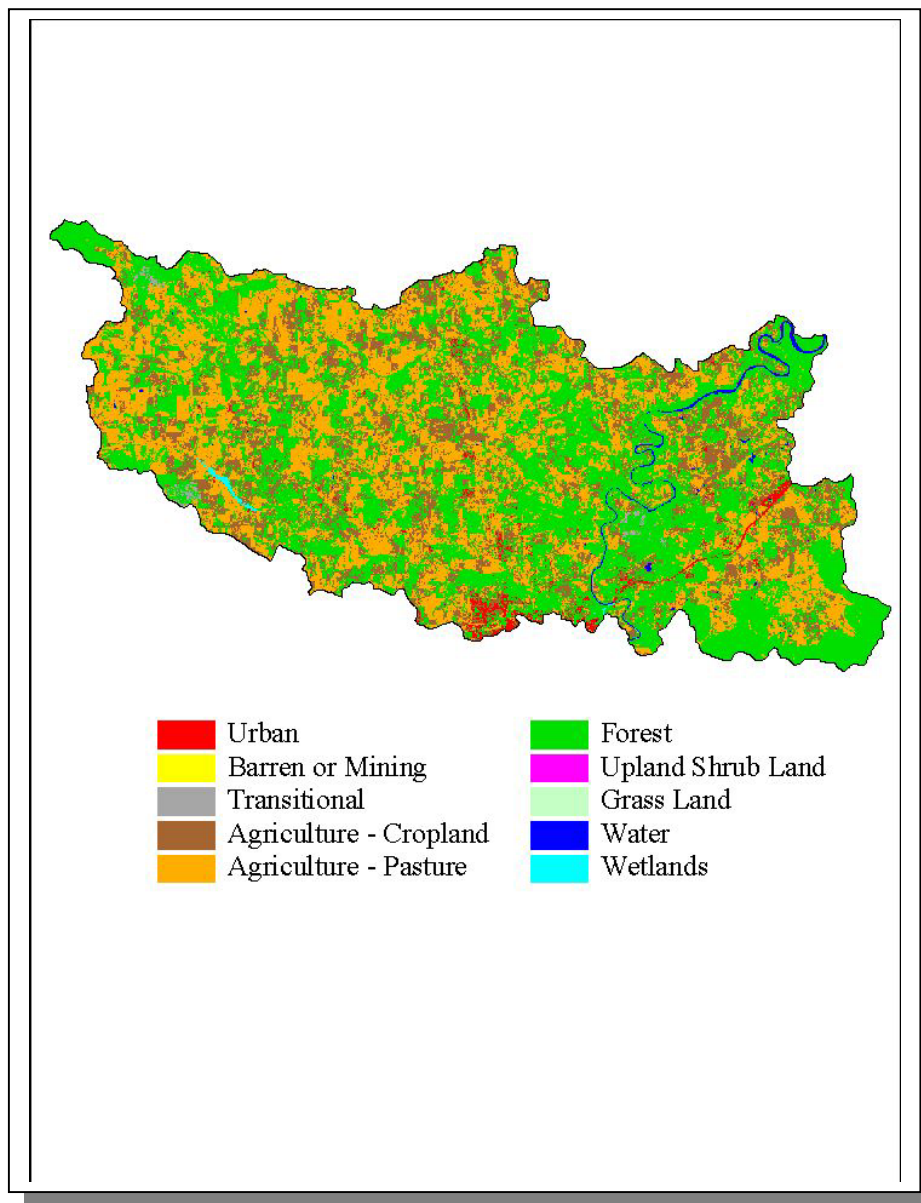


Figure 4-33. Illustration of Land Use Distribution in Subwatershed 0513010704.

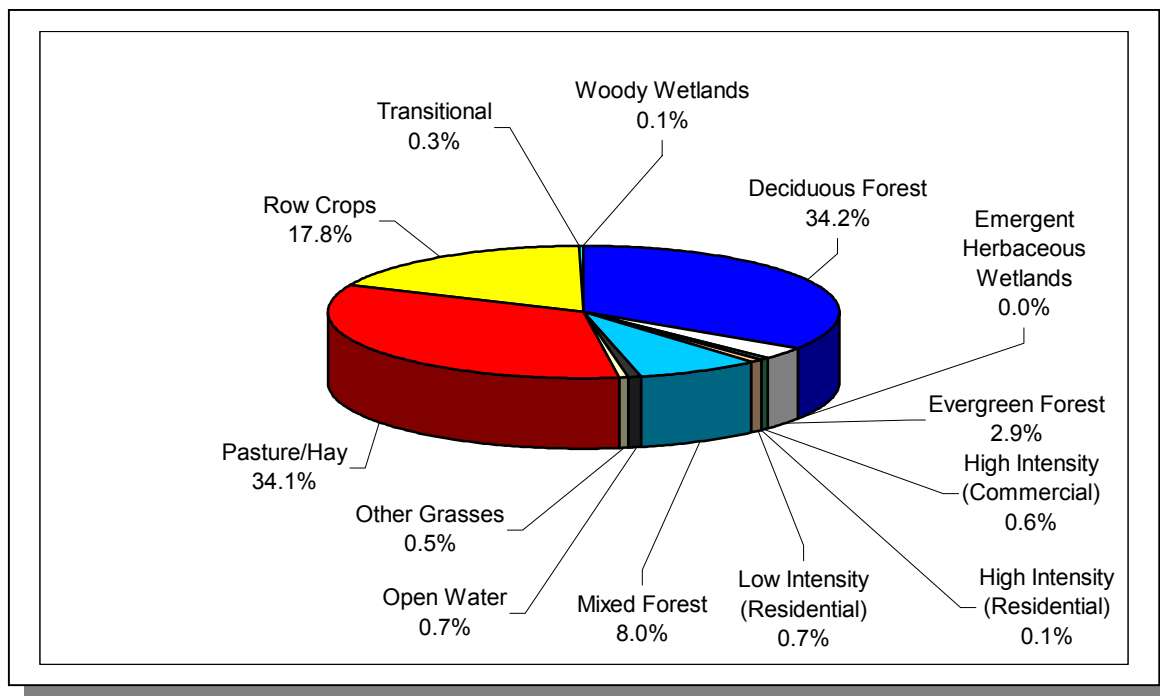


Figure 4-34. Land Use Distribution in Subwatershed 0513010704. More information is provided in Collins-Appendix IV.

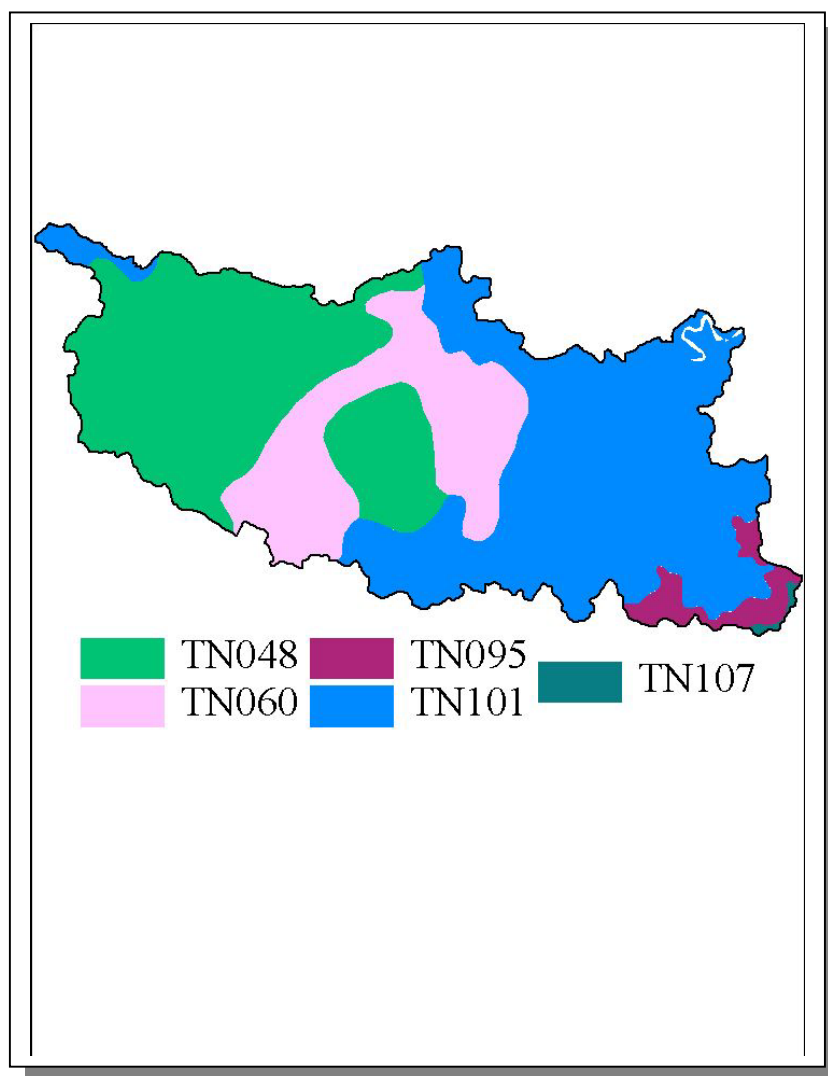


Figure 4-35. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010704.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN048	8.00	C	1.38	5.06	Silty Loam	0.42
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN095	0.00	B	2.35	5.12	Loam	0.31
TN101	0.00	B	1.71	5.39	Loam	0.35
TN107	1.00	C	6.34	4.84	Loam	0.28

Table 4-20. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010704. More information is provided in Collins-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Cannon	10,467	12,011	4.95	519	595	14.6
Warren	32,992	35,777	30.47	10,053	10,901	8.4
Total	43,459	47,788		10,572	11,496	8.7

Table 4-21. Population Estimates in Subwatershed 0513010704.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
McMinnville	Warren	11,194	5,123	4,746	353	24

Table 4-22. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0513010704.

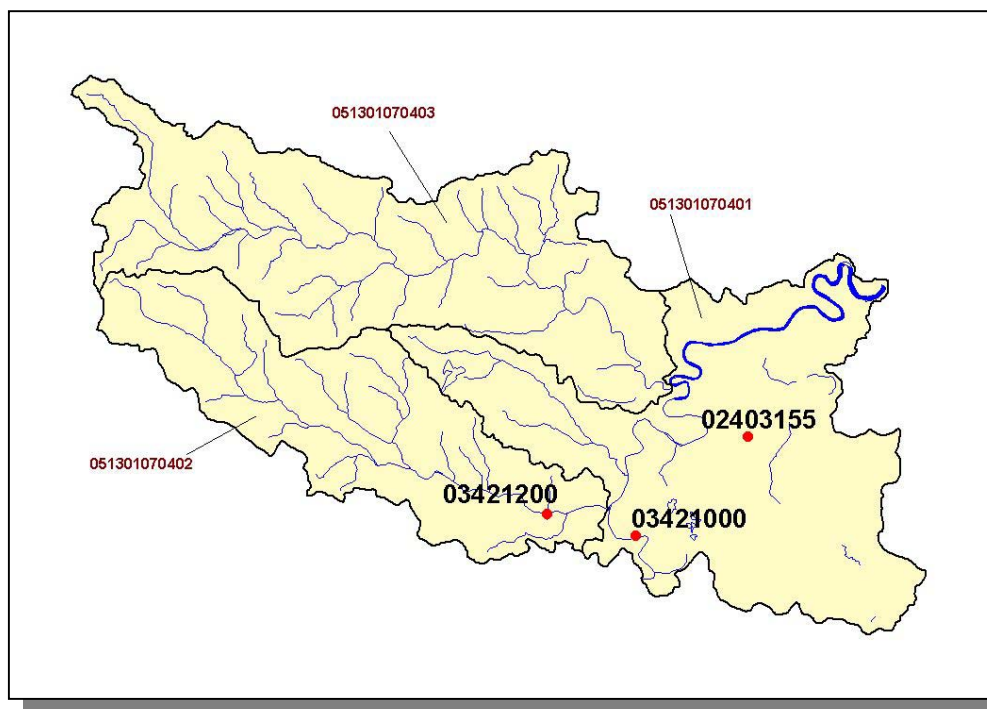


Figure 4-36. Location of Historical Streamflow Data Collection Sites in Subwatershed 0513010704. Subwatershed 051301070401, 051301070402 and 051301070403 boundaries are shown for reference. More information is provided in Collins-Appendix IV.



Figure 4-37. Location of STORET Monitoring Sites in Subwatershed 0513010704. Subwatershed 051301070401, 051301070402 and 051301070403 boundaries are shown for reference. More information is provided in Collins-Appendix IV.

4.2.D.ii. Point Source Contributions.

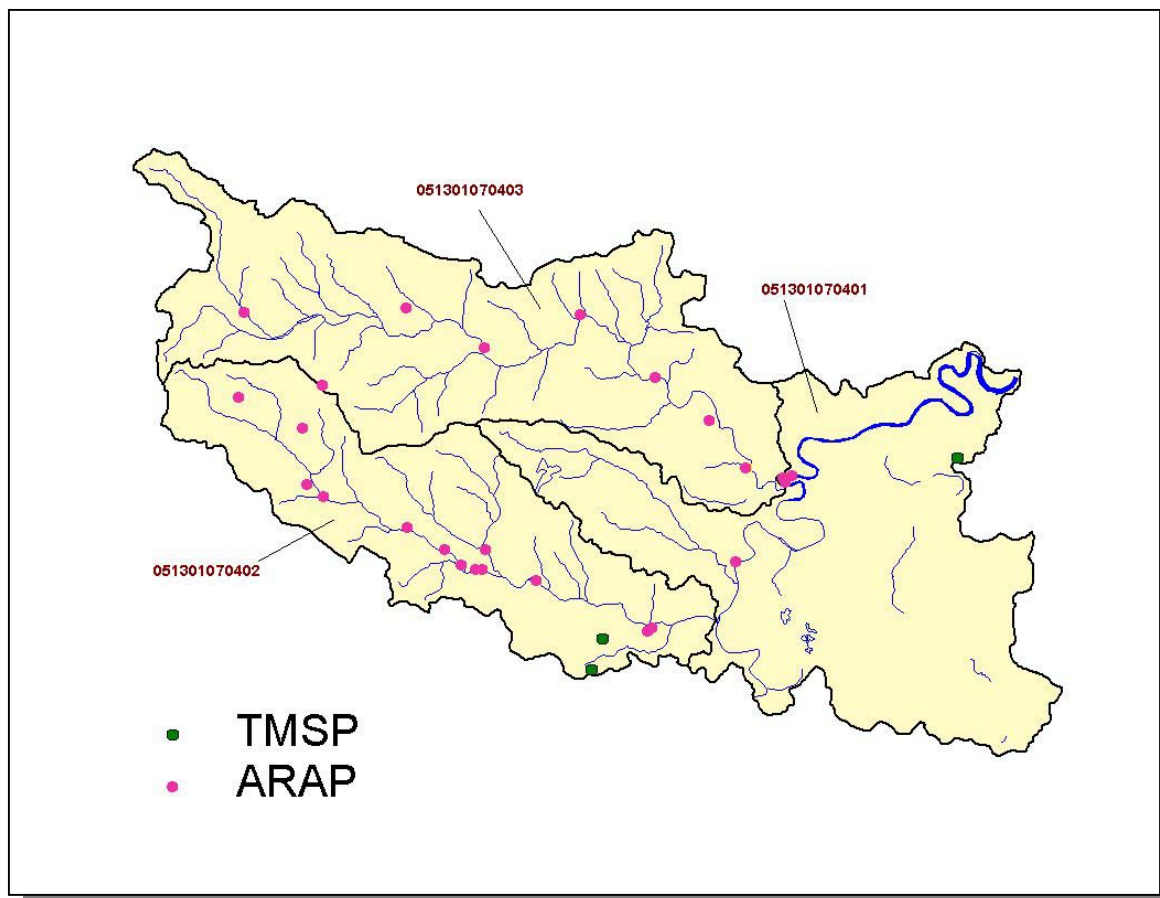


Figure 4-38. Location of Active Point Source Facilities in Subwatershed 0513010704. Subwatershed 051301070401, 051301070402 and 051301070403 boundaries are shown for reference. More information is provided in the following figures.

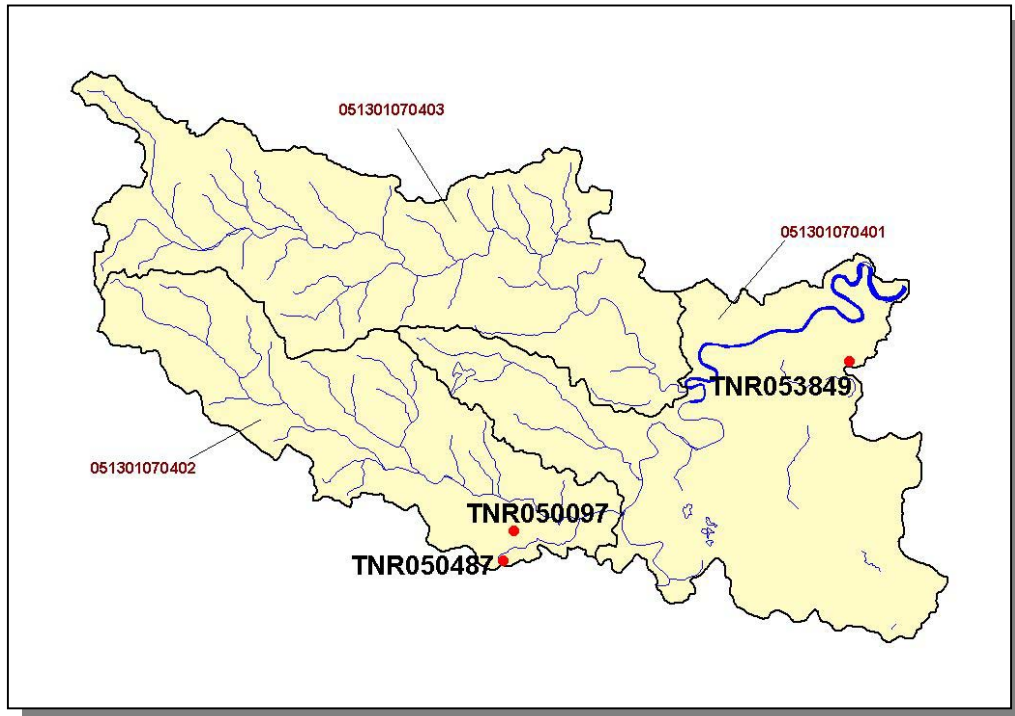


Figure 4-39. Location of TMSP Facilities in Subwatershed 0513010704. Subwatershed 051301070401, 051301070402 and 051301070403 boundaries are shown for reference. More information is provided in Collins-Appendix IV.

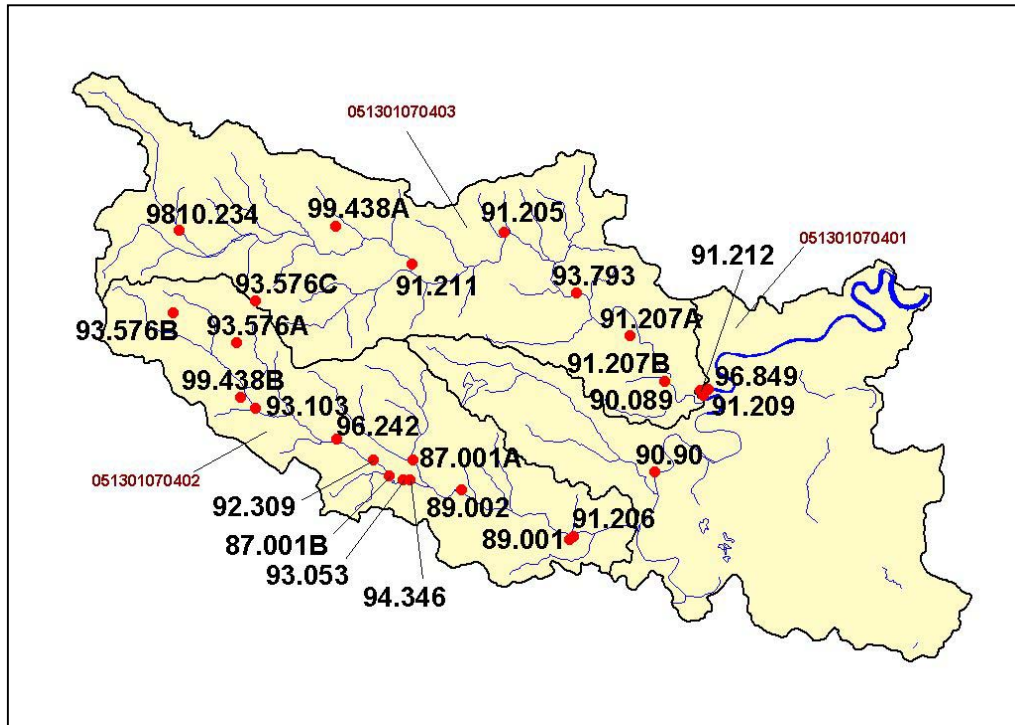


Figure 4-40. Location of ARAP Sites (Individual Permits) in Subwatershed 0513010704. Subwatershed 051301070401, 051301070402 and 051301070403 boundaries are shown for reference. More information is provided in Collins-Appendix IV.

4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Milk Cow	Cattle	Chickens	Chickens Sold	Hogs	Sheep
8,178	956	16,692	16	0	1,294	58

Table 4-23. Summary of Livestock Count Estimates in Subwatershed 0513010704. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cannon	88.5	88.5	1.7	7.1
Warren	93.6	93.6	2.4	10.1
Total	182.1	182.1	4.1	17.2

Table 4-24. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0513010704.

CROPS	TONS/ACRE/YEAR
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.22
Non Agricultural Land Use	0.00
Corn (Row Crops)	8.77
Soybeans (Row Crops)	16.50
Tobacco (Row Crops)	8.97
Wheat (Close Grown Cropland)	9.54
Legume/Grass (Hayland)	4.37
Grass (Hayland)	0.92
Legume (Hayland)	0.10
Other Cropland not Planted	1.86
Grass (Pastureland)	0.30
Grass, Forbs, Legumes (Mixed Pasture)	0.59
Conservation Reserve Program Land	0.33
Legume (Pastureland)	0.37
Other (Horticulture)	13.97

Table 4-25. Annual Soil Loss in Subwatershed 0513010704.